

# Patrizia Imperatori

## List of Publications by Year in descending order

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40  
papers

1,221  
citations

361413

20  
h-index

361022

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1931  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Morphology, and Magnetic Characterization of Iron Oxide Nanowires and Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7103-7109.	2.6	125
2	24 h stability of thick multilayer silicene in air. <i>2D Materials</i> , 2014, 1, 021003.	4.4	122
3	Composition, morphology, structural aspects and electrochemical properties of Ni-Co alloy coatings. <i>Surface and Coatings Technology</i> , 2011, 205, 5394-5399.	4.8	76
4	Weak charge-transfer polyoxoanion salts: the reaction of quinolin-8-ol (Hquin) with phosphotungstic acid and the crystal and molecular structure of $[H_2quin]_3[PW_{12}O_{40}] \cdot 4EtOH \cdot 2H_2O$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 3221-3228.	1.1	68
5	Gallium arsenide surface reconstructions during organometallic vapor-phase epitaxy. <i>Applied Physics Letters</i> , 1992, 60, 2610-2612.	3.3	67
6	High-frequency, high-sensitivity acoustic sensor implemented on ALN/Si substrate. <i>Applied Physics Letters</i> , 2003, 83, 1641-1643.	3.3	52
7	Synthesis and Characterization of MoO <sub>3</sub> Thin Films and Powders from a Molybdenum Chloromethoxide. <i>Chemistry of Materials</i> , 2004, 16, 5495-5501.	6.7	50
8	Structural, morphological and acoustic properties of AlN thick films sputtered on Si(001) and Si(111) substrates at low temperature. <i>Thin Solid Films</i> , 2003, 441, 32-37.	1.8	49
9	Structural, optical, and acoustic characterization of high-quality AlN thick films sputtered on Al <sub>2</sub> O <sub>3</sub> (0001) at low temperature for GHz-band electroacoustic devices applications. <i>Journal of Applied Physics</i> , 2004, 96, 2610-2615.	2.5	49
10	Effects of thermal treatments on structural and magnetic properties of acicular $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Scripta Materialia</i> , 1999, 11, 797-803.	0.5	48
11	Magnetite Nanoparticles Anchored to Crystalline Silicon Surfaces. <i>Chemistry of Materials</i> , 2005, 17, 3311-3316.	6.7	46
12	Sonochemical synthesis of versatile hydrophilic magnetite nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 877-882.	8.2	44
13	Permanent Magnetism in Dithiol-Capped Silver Nanoparticles. <i>Chemistry of Materials</i> , 2007, 19, 1509-1517.	6.7	43
14	X-ray-scattering analysis of surface structures produced by vapor-phase epitaxy of GaAs. <i>Physical Review B</i> , 1994, 49, 1957-1965.	3.2	37
15	High Yield Synthesis of Pure Alkanethiolate-Capped Silver Nanoparticles. <i>Langmuir</i> , 2010, 26, 15561-15566.	3.5	32
16	Tetrathiafulvalenium salts of planar Pt(II), Pd(II), and Cu(I), 1,2-dithio-oxalato-S,S'-anions. Synthesis, chemistry and molecular structures of bis(tetrathiafulvalenium) bis(1,2-dithio-oxalato-S,S'-)palladate(II), $[tff]_2[Pd(S_2C_2O_2)_2]$ , and of bis(tetrathiafulvalenium)tetrathiafulvalene bis(1,2-dithio-oxalato-S,S'-)platinate(II), $[tff]_3[Pt(S_2C_2O_2)_2]$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 719-727.	1.1	31
17	General Strategy for Direct Synthesis of L <sub>1</sub> Nanoparticle Alloys from Layered Precursor: The Case of FePt. <i>Chemistry of Materials</i> , 2009, 21, 2007-2009.	6.7	29
18	Thermal hysteresis of Morin transition in hematite particles. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6984.	2.8	29

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19	Double perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> films: Growth, structure, and magnetic behavior. <i>Journal of Applied Physics</i> , 2006, 100, 013907.	2.5	27
20	Controlled filling and external cleaning of multi-wall carbon nanotubes using a wet chemical method. <i>Carbon</i> , 2007, 45, 2205-2208.	10.3	24
21	N-Analogues of Metal Acetylacetonates: Bis(1,2,6,7-tetracyano-3, 5-diimino-3,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1049-1050.	4.4	20
22	Competition between Polar and Antiferrodistortive Modes and Correlated Dynamics of the Methylammonium Molecules in MAPbI <sub>3</sub> from Anelastic and Dielectric Measurements. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4401-4406.	4.6	18
23	Nanocluster superstructures or nanoparticles? The self-consuming scaffold decides. <i>Nanoscale</i> , 2018, 10, 7472-7483.	5.6	17
24	Characterization of the adducts formed by Cu(CN) and Cu(NCS) with biquinoline. The crystal structure of the polymeric cyano-compound containing both linear and tetrahedrally co-ordinated copper(I), [Cu <sub>3</sub> (bq) <sub>2</sub> (CN) <sub>3</sub> ] <sub>n</sub> . <i>Journal of the Chemical Society Dalton Transactions</i> , 1985, , 1285.	1.1	14
25	Electron-transfer platinum complexes of esters of dithiocarbazic acid. The crystal and molecular structure of [Pt{N(CH <sub>2</sub> Ph)NC(S)SMe} <sub>2</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1987, , 1035.	1.1	14
26	Study of the stability of the phenanthrene- and 1,2-benzanthracene-choleic acids by vapor pressure measurements. <i>Journal of Chemical &amp; Engineering Data</i> , 1983, 28, 242-244.	1.9	12
27	A Novel 1D-AF Hybrid Organic~Inorganic Chromium(II) Methyl Phosphonate Dihydrate: Synthesis, X-Ray Crystal and Molecular Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2010, 49, 7472-7477.	4.0	12
28	Dithiolene-like nickel complexes of the methyl ester of dithiocarbazic acid and its N <sup>3</sup> phenyl- and benzyl-substituted derivatives. Crystal and molecular structure of [Ni{PhNC <sub>6</sub> H <sub>4</sub> NNC(S)SMe}(NCS)]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1988, , 1217.	1.1	11
29	Tuning hard and soft magnetic FePt nanocomposites. <i>Journal of Alloys and Compounds</i> , 2016, 663, 601-609.	5.5	10
30	Electronic and structural properties of novel cyanocarbon dyes based on tetracyanoethylene. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1988, , 1447.	0.9	8
31	Investigation of static and dynamic magnetic properties of Joule heated granular Co <sub>10</sub> Cu <sub>90</sub> ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 202, 123-132.	2.3	8
32	Sustainable Approaches to the Synthesis of Metallophthalocyanines in Solution. <i>Molecules</i> , 2021, 26, 1760.	3.8	7
33	Condensation reactions of tetracyanoethylene and its monoanion promoted by Lewis acids: synthesis and crystal, molecular, and electronic structure of a novel heterocycle, the 2,3,6,7-tetracyano-5-(tricyanoethenylimino)-3H-1,4,7b-triazabenz[ <i>i,j</i> ]pentalenide ion. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 121.	0.9	5
34	Dithiolene-like platinum complexes of the methyl esters of N <sup>3</sup> -isopropyl and t-butyl substituted dithiocarbazic acids. Crystal and molecular structures of [Pt{NPr <sup>i</sup> NC(S)SMe} <sub>2</sub> ] and [Pt{NButNC(S)SMe} <sub>2</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 931.	1.1	5
35	Quasi-epitaxial growth of crystalline wurtzite AlN thin films on Si(001) by RF magnetron sputtering. , 2009, , .		4
36	Reaction products of benzimidazole with tetracyanoethylene. Mechanism of formation and <sup>13</sup> C NMR spectroscopy of the anions C <sub>16</sub> N <sub>8</sub> H <sub>5</sub> â€“, dicyano(3,4-dicyano-5-benzimidazol-1-yl-2H-pyrrol-2-ylideneamino)methanide (1) and C <sub>18</sub> N <sub>9</sub> H <sub>4</sub> â€“, 1,2,4,5-tetracyano-3,6,7,12,13-penta-aza-5H-indeno[1,2-d]-acenaphthylen-5-ide (2). Crystal and molecular structure of their tetraphenylarsonium salts. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 1359-1364.	0.9	3

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37	Structural and acoustic characterization of highly oriented piezoelectric AlN films. , 2001, , .		3
38	Investigation of magnetization reversal processes in Co/Pt/Pt thin films. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 467-470.	2.3	1
39	Synthesis of gold nanocrystals in concurrently polymerizing organic/inorganic hybrid films. Journal of Materials Research, 2005, 20, 1287-1294.	2.6	1
40	Structural and magnetic properties of pulsed laser deposited CoPt <sub>3</sub> films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E907-E908.	2.3	0